

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Steve Shattil	12/19/2005
Arnold Alagar	12/19/2005

**RECEIVING PARTY DATA**

<b>Name:</b>	Aquity LLC
<b>Street Address:</b>	9710 Scranton Rd., Suite 270
<b>City:</b>	San Diego
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121

**PROPERTY NUMBERS Total: 26**

Property Type	Number
PCT Number:	US9408247
Application Number:	09347182
Application Number:	10078774
PCT Number:	US0018113
Application Number:	09718851
Application Number:	09381588
Application Number:	60163141
Application Number:	09703202
Application Number:	60194633
Application Number:	09824264
Application Number:	60219482
Application Number:	10770202
Application Number:	60259433
Application Number:	10034386

Samsung Exhibit 1119, Page 1 of 8  
 Samsung Electronics Co., Ltd. et al. v. Genghiscomm Holdings LLC  
 IPR2025-06788

**OP \$1040.00 US9408247**

Application Number:	60286850
Application Number:	10131163
Application Number:	60422670
Application Number:	10697534
Application Number:	60431877
Application Number:	60435439
Application Number:	10730452
Application Number:	10360346
Application Number:	10414663
Application Number:	10446022
Application Number:	11102152
Application Number:	11102088

**CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	40007474-1000
NAME OF SUBMITTER:	Tarek N. Fahmi

Total Attachments: 6  
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**U.S. PATENT APPLICATION ASSIGNMENT**

This Patent Application Assignment (this "Assignment") is made as of December 19, 2005 by Steve Shattil and Arnold Alagar, each an individual and collectively as joint tenants with right of survivorship ("Assignors"), to Aquity LLC, a Delaware Limited Liability Company ("Assignee").

**RECITALS**

A. Assignors are the owners of the patent applications set forth on Exhibit A hereto (the "Patent Applications").

B. Assignors now desire to assign to Assignee all of Assignors' right, title and interest in and to the Patent Applications and Assignee desires to receive said assignment.

**AGREEMENT**

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in this Assignment the parties agree as follows:

1. For good and valuable consideration, the receipt of which is hereby acknowledged, Assignors do hereby sell, transfer, convey, assign and deliver to Assignee all of Assignors' right, title and interest in and to the Patent Applications and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations, or reissues of such patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made; together with all claims for damages by reason of past infringements of the Patent Applications, along with the right to sue for and collect such damages for the use and benefit of Assignee and its successors, assigns and other legal representatives.

2. Assignors hereby authorize and request the Commissioner of Patents of the United States, and, in the case of any patent applications filed with any office of any country or countries foreign to the United States, any officer of such country whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

IN WITNESS WHEREOF, the parties have executed this Assignment on the date first above written.

Assignee: Aquity LLC.

Assignor: Steve Shattil.

By: [Signature]

By: [Signature]

Name: JONATHAN MASTERS

Assignor: Arnold Alagar

Title: CFO

By: \_\_\_\_\_

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IN WITNESS WHEREOF, the parties have executed this Assignment on the date first above written.

Assignee: Aquity LLC

Assignor: Steve Shattil

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Assignor: Arnold Alagar

Title: \_\_\_\_\_

By:  \_\_\_\_\_

**EXHIBIT A  
TO U.S. PATENT APPLICATION ASSIGNMENT**

Title	Filing Date	Application Number	Publication No.	Country
Active Electromagnetic Shielding	22-Jul-94	PCT/US94/08247		PCT
Active Electromagnetic Shielding	22-Jul-94	CA19942165173	CA2165173	Canada
Active Electromagnetic Shielding	22-Jul-94	EP19940922671	EP0710434	Europe
Method and Apparatus for Using Frequency Diversity to Spatially Separate Wireless Communication Signals	22-Jul-99	09/347,182		US
Cancellation Systems for Multicarrier Transceiver Arrays	19-Feb-02	10/078,774		US
Method and Apparatus for using Frequency Diversity to Separate Wireless Communication Signals	30-Jun-00	PCT/US00/18113		PCT
Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter	10-Feb-99	BR19990007892	BR9907892	Brazil
Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter	10-Feb-99	DE19996026343	DE69926343D	Germany
Multiple Access Method and System	10-Feb-99	PCT/US99/02838		PCT
Multiple Access Method and System	10-Feb-99	AU199926681	AU762,685	Australia
Multiple Access Method and System	10-Feb-99	AU19990026681D	AU2668195	Australia
Method and Apparatus for Using Frequency Diversity to Separate Wireless Communication Signals	30-Jun-00	AU20000059045D	AU5904500	Australia
Method and Apparatus for Using Frequency Diversity to Separate Wireless Communication Signals	30-Jun-00	EP20000945050	EP1198903	Europe
Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum	10-Feb-99	ID20000001770	ID25666	Indonesia

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Transmitter				
Multiple Access Method and System	10-Feb-99	unknown	IL137731D	Israel
Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter	10-Feb-99	JP20000531927T	JP2002503917T	Japan
Multiple Access Method and System	10-Feb-99	CN19990404952	CN1296684	China
Multiple Access Method and System	10-Feb-99	EP19990906864	EP1053615	Europe
Multiple Access Method and System	10-Feb-99	CA19992321748	CA2321748	Canada
Multiple Access Method and Carrier-Interference Multiple Access Communication System	10-Feb-99	EA20000000827	EA2914	Estonia
Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter	22-Nov-00	09/718,851		US
Multiple Access Method and System	20-Sep-99	09/381,588		US
Method and Apparatus for Using Multicarrier Interferometry to Enhance Optical Fiber Communications	02-Nov-99	60/163,141		US
Method and Apparatus for Using Multicarrier Interferometry to Enhance Optical Fiber Communications	31-Oct-00	09/703,202		US
Spread spectrum Communication Method and System using Diversity Correlation and Multi-user Detection	04-Apr-00	60/194,633		US
Spread spectrum Communication Method and System using Diversity Correlation and Multi-user Detection	02-Apr-01	09/824264		US
Method and Apparatus for Transmitting and Receiving Signals having a Carrier Interferometry Architecture	19-Jul-00	60/219,482		US
Method and Apparatus for Transmitting and Receiving Signals having a Carrier Interferometry Architecture	02-Feb-04	10/770202		US
Method and Apparatus for Using Carrier Interferometry to Process Multi-Carrier Signals	30-Dec-00	60/259,433		US

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Carrier Interferometry Coding and Multicarrier Processing	26-Dec-01	PCT/US01/30855		PCT
Carrier Interferometry Coding and Multicarrier Processing	26-Dec-01	CN20010821637	CN1484877	China
Carrier Interferometry Coding and Multicarrier Processing	26-Dec-01	EP20010991614	EP1336544	Europe
Carrier Interferometry Coding and Multicarrier Processing	26-Dec-01	JP20020354918T	JP2004525547T	Japan
Method and Apparatus for Using Frequency Diversity to Spatially Separate Wireless Communication Signals	27-Dec-01	10/034,386		US
Carrier Interferometry Coding and Multicarrier Processing	23-May-03	60/286,850		US
Multicarrier Sub-Layer for Direct Sequence Channel and Multiple-Access Coding	24-Apr-02	10/131,163		US
Carrier Interferometry Coding with Applications to Cellular and Local Area Networks	31-Oct-02	60/422,670		US
Carrier Interferometry Coding with Applications to Cellular and Local Area Networks	30-Oct-03	10/697,534		US
Time-Domain Applications of Basis Carrier Interferometry Codes for Spectrum Allocation	09-Dec-02	60/431,877		US
Software Adaptable High Performance Multicarrier Transmission Protocol	20-Dec-02	60/435,439		US
Software Adaptable High Performance Multicarrier Transmission Protocol	08-Dec-03	10/730,452		US
Unified Multi-carrier Framework for Multiple-Access Technologies	7-Feb-03	10/360,346		US
Orthogonal Superposition Coding for Direct-Sequence Communications	16-Apr-03	10/414,663		US
Carrier Interferometry Coding and Multicarrier Processing	27-May-03	10/446,022		US
Frequency-Shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-Spectrum Transmitter	07-Apr-05	11/102,152		US

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Cancellation System for Frequency Reuse in Microwave Communications	07-Apr-05	11/102,088		US
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